

Title (en)  
NATURAL TISSUE HEART VALVES AND METHODS OF MAKING SAME

Title (de)  
HERZKLAPPEN AUS NATÜRLICHEN GEWEBE UND HERSTELLUNGSVERFAHREN

Title (fr)  
VALVULES CARDIAQUES A BASE DE TISSUS NATURELS ET LEURS PROCEDES DE FABRICATION

Publication  
**EP 0971649 B1 20021218 (EN)**

Application  
**EP 98913095 A 19980325**

Priority  
• US 9805813 W 19980325  
• US 82640897 A 19970327

Abstract (en)  
[origin: US8518108B2] Prosthetic heart valve suture rings having a suturable annulus of a compliant internal member and a cloth covering. Three evenly spaced upwardly opening depressions formed on an internal circumference of the suturable annulus receive downwardly-directed cusps of a stent structure of the heart valve. The suture ring may include a silicone sponge waffle annulus having a walled lip on an inner circumference thereof. The lip is contoured to include the three depressions, and a ring washer mounts on the annulus surrounding the walled lip for added stiffness.

IPC 1-7  
**A61F 2/24**

IPC 8 full level  
**A61F 2/84** (2006.01); **A61F 2/24** (2006.01)

CPC (source: EP US)  
**A61F 2/2409** (2013.01 - EP US); **A61F 2/2412** (2013.01 - EP US); **A61F 2/2415** (2013.01 - EP US); **A61F 2220/0075** (2013.01 - EP US); **Y10S 623/90** (2013.01 - EP US); **Y10S 623/91** (2013.01 - EP US)

Cited by  
US11065138B2; US9889002B2; US9949824B2; US11007052B2; US11589981B2; US11357624B2; US11564794B2; US11517431B2; US10856978B2; US11185405B2; US11337800B2; US9744031B2; US10603164B2; US9878127B2; US9918835B2; US10543084B2; US9867699B2; US10154901B2; US10702382B2; US10993805B2; US11154398B2; US9855142B2; US9877828B2; US10363134B2; US10575947B2; US11116628B2; US11278406B2; US9707075B2; US9775705B2; US9788945B2; US10492906B2; US11197754B2; US9839515B2; US9867694B2; US10265167B2; US10299922B2; US10307251B2; US10314701B2; US10433954B2; US10709555B2; US11147669B2

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**WO 9843556 A1 19981008**; AT E229774 T1 20030115; AU 6772498 A 19981022; AU 739221 B2 20011004; CA 2284941 A1 19981008; CA 2284941 C 20000516; DE 69810282 D1 20030130; DE 69810282 T2 20031113; EP 0971649 A1 20000119; EP 0971649 B1 20021218; ES 2189149 T3 20030701; JP 2000511459 A 20000905; JP 3527745 B2 20040517; US 2003195620 A1 20031016; US 2006009842 A1 20060112; US 5928281 A 19990727; US 6102944 A 20000815; US 6585766 B1 20030701; US 6945997 B2 20050920; US 8518108 B2 20130827

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